

Hemanshu R Pota

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6994983/publications.pdf>

Version: 2024-02-01

191
papers

4,346
citations

136740

32
h-index

133063

59
g-index

192
all docs

192
docs citations

192
times ranked

3742
citing authors

#	ARTICLE	IF	CITATIONS
1	Designing false data injection attacks penetrating AC-based bad data detection system and FDI dataset generation. <i>Concurrency Computation Practice and Experience</i> , 2022, 34, e5956.	1.4	4
2	Real-Time Adaptive Intelligent Control System for Quadcopter Unmanned Aerial Vehicles With Payload Uncertainties. <i>IEEE Transactions on Industrial Electronics</i> , 2022, 69, 1641-1653.	5.2	32
3	Robust Nonlinear Controller Design for DC-AC Converter in Grid-Connected Fuel Cell System. <i>IEEE Journal of Emerging and Selected Topics in Industrial Electronics</i> , 2022, 3, 342-351.	3.0	9
4	Nonlinear Controller Design to Enhance Voltage Restoration and Current Sharing Accuracy of Islanded DC Microgrids. <i>IEEE Systems Journal</i> , 2022, 16, 3215-3225.	2.9	2
5	Smart Meter Data Obfuscation With a Hybrid Privacy-Preserving Data Publishing Scheme Without a Trusted Third Party. <i>IEEE Internet of Things Journal</i> , 2022, 9, 16080-16095.	5.5	12
6	Modeling Residential Electricity Consumption from Public Demographic Data for Sustainable Cities. <i>Energies</i> , 2022, 15, 2163.	1.6	11
7	A robust resonant controller design for MEMS-based multi-layered prestressed piezoelectric cantilever beam. <i>Sensors and Actuators A: Physical</i> , 2022, 341, 113556.	2.0	5
8	Adaptive Finite-Time Sliding Mode Backstepping Controller for Double-Integrator Systems with Mismatched Uncertainties and External Disturbances. <i>Discrete Dynamics in Nature and Society</i> , 2022, 1-10.	0.5	1
9	Robust Feedback Linearizing Controller Design for DC Microgrid Connected DC-DC Converter. , 2021, , .		2
10	Energy management of community energy storage in grid-connected microgrid under uncertain real-time prices. <i>Sustainable Cities and Society</i> , 2021, 66, 102658.	5.1	56
11	Robust Partial Feedback Linearized Controller Design for Standalone Hybrid PV-BES System. <i>Electronics (Switzerland)</i> , 2021, 10, 772.	1.8	4
12	Two novel approaches of adaptive finite-time sliding mode control for a class of single-input multiple-output uncertain nonlinear systems. <i>IET Cyber-Systems and Robotics</i> , 2021, 3, 173-183.	1.1	10
13	Fixed-Time Adaptive Robust Synchronization with a State Observer of Chaotic Support Structures for Offshore Wind Turbines. <i>Journal of Control, Automation and Electrical Systems</i> , 2021, 32, 942-955.	1.2	9
14	A chronological review of prospects of solar photovoltaic systems in Bangladesh: Feasibility study analysis, policies, barriers, and recommendations. <i>IET Renewable Power Generation</i> , 2021, 15, 2109-2132.	1.7	15
15	Designing Constraint-Based False Data-Injection Attacks Against the Unbalanced Distribution Smart Grids. <i>IEEE Internet of Things Journal</i> , 2021, 8, 9422-9435.	5.5	19
16	State and disturbance observers-based chattering-free fixed-time sliding mode control for a class of high-order nonlinear systems. <i>Advanced Control for Applications</i> , 2021, 3, e81.	0.8	13
17	Modelling and Experimental Validation of Piezoelectrically Driven Micro-Lens Actuator. , 2021, , .		1
18	Intelligent energy management: Evolving developments, current challenges, and research directions for sustainable future. <i>Journal of Cleaner Production</i> , 2021, 314, 127904.	4.6	24

#	ARTICLE	IF	CITATIONS
19	Guest Editorial: Special Section on "Deep Learning and Data Analytics to Support the Smart Grid Operation With Renewable Energy". IEEE Transactions on Industrial Informatics, 2021, 17, 6935-6938.	7.2	3
20	Multilevel common-mode ground inverter with voltage boosting for PV applications. IET Power Electronics, 2021, 14, 901-911.	1.5	13
21	An eight-switch five-level inverter with zero leakage current. IET Power Electronics, 2021, 14, 590-601.	1.5	14
22	Switching Frequency Sensitivity Analysis of DC Microgrid Connected Distributed Generation Based on Dynamic Phasor Model. , 2021, , .		2
23	Nonlinear Partial Feedback Linearized Controller Design for Islanded AC Microgrid Connected Distributed Generations. , 2021, , .		0
24	Forecasting very short-term wind power generation using deep learning, optimization and data decomposition techniques. , 2021, , .		1
25	Coordinated Secondary Voltage Control in Distribution Networks With High PV Penetration. , 2021, , .		1
26	Optimal Coordination of Photovoltaics and Electric Vehicles for Ancillary Services in Low Voltage Distribution Networks. , 2021, , .		1
27	LQR and Fuzzy Logic Control for the Three-Area Power System. Energies, 2021, 14, 8522.	1.6	8
28	Multi-Timescale Voltage Stability-Constrained Volt/VAR Optimization With Battery Storage System in Distribution Grids. IEEE Transactions on Sustainable Energy, 2020, 11, 868-878.	5.9	13
29	Optimal Dispatch of Battery Energy Storage System Using Convex Relaxations in Unbalanced Distribution Grids. IEEE Transactions on Industrial Informatics, 2020, 16, 97-108.	7.2	23
30	Real-Time Model-Free Coordination of Active and Reactive Powers of Distributed Energy Resources to Improve Voltage Regulation in Distribution Systems. IEEE Transactions on Sustainable Energy, 2020, 11, 1483-1494.	5.9	20
31	A Novel Transfer Learning Approach to Detect the Location of Transformers in Distribution Network. , 2020, , .		3
32	Dynamic Performance Improvement of Piezoelectrically Driven Micro-Lens Actuators. Journal of Microelectromechanical Systems, 2020, 29, 1418-1420.	1.7	10
33	Generating Open-Source Datasets for Power Distribution Network Using OpenStreetMaps. , 2020, , .		3
34	Chattering-Free Trajectory Tracking Robust Predefined-Time Sliding Mode Control for a Remotely Operated Vehicle. Journal of Control, Automation and Electrical Systems, 2020, 31, 1177-1195.	1.2	24
35	Accurate proportional power sharing with minimum communication requirements for inverter-based islanded microgrids. International Journal of Electrical Power and Energy Systems, 2020, 121, 106036.	3.3	19
36	Smoothing PV Power Fluctuations with Electric Vehicle and its Grid Interaction. , 2020, , .		3

#	ARTICLE	IF	CITATIONS
37	Common-Ground-Type Five-Level Transformerless Inverter Topology With Full DC-Bus Utilization. IEEE Transactions on Industry Applications, 2020, , 1-1.	3.3	37
38	Mitigation of Frequency and Voltage Disruptions in Smart Grid During Cyber-Attack. Journal of Control, Automation and Electrical Systems, 2020, 31, 412-421.	1.2	10
39	Six-Switch Inverter for Grid-Connected PV Application with Zero Leakage Current. , 2020, , .		4
40	Transformer-less Common-Ground Inverter With Reduced Components. , 2020, , .		0
41	Five-level Common Ground Type Inverter for PV Application. , 2020, , .		4
42	Voltage-Violation Mitigation in Power System Networks With Photo-Voltaic Penetration. , 2020, , .		2
43	Robust Nonlinear Controller Design for Islanded Photovoltaic System with Battery Energy Storage. , 2020, , .		5
44	A Resonant Controller Design of Piezo-electrically Driven Micro-lens Actuator. , 2020, , .		3
45	Improved Design of High-Performance Controller for Voltage Control of Islanded Microgrid. IEEE Systems Journal, 2019, 13, 1786-1795.	2.9	34
46	Stability Analysis of Grid-Connected Photovoltaic Systems with Dynamic Phasor Model. Electronics (Switzerland), 2019, 8, 747.	1.8	7
47	MPPT methods for solar PV systems: a critical review based on tracking nature. IET Renewable Power Generation, 2019, 13, 1615-1632.	1.7	246
48	Robust Nonlinear Adaptive Feedback Linearizing Decentralized Controller Design for Islanded DC Microgrids. IEEE Transactions on Industry Applications, 2019, 55, 5343-5352.	3.3	69
49	Experiments on a Real-Time Energy Management System for Islanded Prosumer Microgrids. Electronics (Switzerland), 2019, 8, 925.	1.8	3
50	A Novel Compact dq-Reference Frame Model for Inverter-Based Microgrids. Electronics (Switzerland), 2019, 8, 1326.	1.8	4
51	Size Optimization and Sensitivity Analysis of Hybrid Wind/PV Micro-Grids- A Case Study for Bangladesh. IEEE Access, 2019, 7, 150120-150140.	2.6	101
52	Energy scheduling of community microgrid with battery cost using particle swarm optimisation. Applied Energy, 2019, 254, 113723.	5.1	110
53	Modeling and Simulation of Inverter based Distributed Generators for Renewable Energy Integration. IFAC-PapersOnLine, 2019, 52, 30-35.	0.5	1
54	Real-time Battery Energy Management for Residential Solar Power System. IFAC-PapersOnLine, 2019, 52, 407-412.	0.5	7

#	ARTICLE	IF	CITATIONS
55	Optimal sizing of grid-tied hybrid renewable energy systems considering inverter to PV ratio "A case study. Journal of Renewable and Sustainable Energy, 2019, 11, .	0.8	20
56	A Prototype of an Electromagnetic Induction Sensor for Non-Destructive Estimation of the Presence of Corrosive Chemicals Ensuing Concrete Corrosion. Sensors, 2019, 19, 1959.	2.1	3
57	Energy management of community microgrids considering degradation cost of battery. Journal of Energy Storage, 2019, 22, 257-269.	3.9	90
58	Evolution of microgrids with converter-interfaced generations: Challenges and opportunities. International Journal of Electrical Power and Energy Systems, 2019, 109, 160-186.	3.3	206
59	Engineering energy storage sizing method considering the energy conversion loss on facilitating wind power integration. IET Generation, Transmission and Distribution, 2019, 13, 1693-1699.	1.4	9
60	Nonlinear Output Feedback Droop Control for Parallel Inverters in Standalone Microgrids. , 2019, , .		3
61	Power Sharing in an Islanded Microgrid without Synchronous Generators. , 2019, , .		2
62	Comparative Analysis of Energy Management for Community Microgrids. , 2019, , .		0
63	Optimal Energy Scheduling of Residential Building with Battery Cost. , 2019, , .		2
64	Modified PSO algorithm for real-time energy management in grid-connected microgrids. Renewable Energy, 2019, 136, 746-757.	4.3	213
65	Synchronization Conditions for a Multirate Kuramoto Network With an Arbitrary Topology and Nonidentical Oscillators. IEEE Transactions on Cybernetics, 2019, 49, 2242-2254.	6.2	13
66	Selection of appropriate load compositions for predicting the dynamic performance of distribution grids. IET Energy Systems Integration, 2019, 1, 276-287.	1.1	3
67	A Need-Based Distributed Coordination Strategy for EV Storages in a Commercial Hybrid AC/DC Microgrid With an Improved Interlinking Converter Control Topology. IEEE Transactions on Energy Conversion, 2018, 33, 1372-1383.	3.7	32
68	Battery Energy Storage System Control for Intermittency Smoothing Using an Optimized Two-Stage Filter. IEEE Transactions on Sustainable Energy, 2018, 9, 664-675.	5.9	33
69	A Survey of Methods Used to Control Piezoelectric Tube Scanners in High-Speed AFM Imaging. Asian Journal of Control, 2018, 20, 1379-1399.	1.9	39
70	Adaptive output-based command shaping for sway control of a 3D overhead crane with payload hoisting and wind disturbance. Mechanical Systems and Signal Processing, 2018, 98, 157-172.	4.4	67
71	A Novel Application of Minimax LQG Control Technique for High-Speed Spiral Imaging. Asian Journal of Control, 2018, 20, 1400-1412.	1.9	6
72	Bidirectional Fuzzy Brain Emotional Learning Control for Aerial Robots. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
73	Islanding Detection of Synchronous Distributed Generator Based on the Active and Reactive Power Control Loops. Energies, 2018, 11, 2819.	1.6	75
74	Fast Univariate Time Series Prediction of Solar Power for Real-Time Control of Energy Storage System. Forecasting, 2018, 1, 107-120.	1.6	25
75	Cyber Physical Energy Systems Modules for Power Sharing Controllers in Inverter Based Microgrids. Inventions, 2018, 3, 66.	1.3	7
76	The Essentials of Power System Dynamics and Control. , 2018, , .		4
77	Multi-Timescale Model Predictive Control of Battery Energy Storage System Using Conic Relaxation in Smart Distribution Grids. IEEE Transactions on Power Systems, 2018, 33, 7152-7161.	4.6	60
78	A Novel Control Approach for High-Precision Positioning of a Piezoelectric Tube Scanner. IEEE Transactions on Automation Science and Engineering, 2017, 14, 325-336.	3.4	28
79	Nonlinear Controller Design for Series-Compensated DFIC-Based Wind Farms to Mitigate Subsynchronous Control Interaction. IEEE Transactions on Energy Conversion, 2017, 32, 707-719.	3.7	76
80	Design of Droop-based Control for Power Management in Islanded RL-type Microgrids. International Journal of Emerging Electric Power Systems, 2017, 18, .	0.6	0
81	A Novel Performance Enhancement Scheme for Doubly-Fed Induction Generator-Based Wind Power Systems under Voltage Sags and Swells. International Journal of Emerging Electric Power Systems, 2017, 18, .	0.6	1
82	Multi-Agent Approach for Enhancing Security of Protection Schemes in Cyber-Physical Energy Systems. IEEE Transactions on Industrial Informatics, 2017, 13, 436-447.	7.2	105
83	Nonlinear robust state feedback control system design for nonlinear uncertain systems. International Journal of Robust and Nonlinear Control, 2017, 27, 2234-2252.	2.1	4
84	Optimal energy management system for strategic prosumer microgrids: An average bidding algorithm for prosumer aggregators. , 2017, , .		4
85	Data Driven Controller Design for Positioning Control of an AFM Scanner. IFAC-PapersOnLine, 2017, 50, 10889-10894.	0.5	2
86	A Negative Imaginary Theory-based Controller Synthesis for Vibration Control of a Piezoelectric Tube Scanner. IFAC-PapersOnLine, 2017, 50, 3202-3207.	0.5	5
87	Bounded phase synchronization of multirate kuramoto networks through decentralised or distributed control. , 2017, , .		1
88	Distributed control network design for multirate kuramoto networks to achieve bounded synchronization. , 2017, , .		1
89	Adaptive synchronous reference frame virtual impedance controller for accurate power sharing in islanded ac-microgrids: A faster alternative to the conventional droop control. , 2017, , .		12
90	Overview of AC Microgrid Controls with Inverter-Interfaced Generations. Energies, 2017, 10, 1300.	1.6	151

#	ARTICLE	IF	CITATIONS
91	Comparative study of the response of wind turbine generators to voltage sags and swells. , 2016, , .		2
92	Extension of IEC61850 with smart EV charging. , 2016, , .		10
93	New trends of reactive power sharing control for islanded microgrids: A cyber-physical review. , 2016, , .		4
94	Centralized control of step voltage regulators and energy storage system under high photovoltaic penetration. , 2016, , .		9
95	Evacuation path optimization based on quantum ant colony algorithm. Advanced Engineering Informatics, 2016, 30, 259-267.	4.0	78
96	Two-tier prediction of solar power generation with limited sensing resource. , 2016, , .		1
97	Resonant modes analysis in power systems algorithms and Matlab GUI. , 2016, , .		0
98	Error compensation in atomic force microscope scanned images. Micro and Nano Letters, 2016, 11, 38-40.	0.6	1
99	Enhancing grid compliance of DFIG wind generators to voltage sags and swells. , 2016, , .		3
100	Reduction of phase error between sinusoidal motions and vibration of a tube scanner during spiral scanning using an AFM. International Journal of Control, Automation and Systems, 2016, 14, 505-513.	1.6	10
101	Energy management for a commercial building microgrid with stationary and mobile battery storage. Energy and Buildings, 2016, 116, 141-150.	3.1	108
102	Forecasting the EV charging load based on customer profile or station measurement?. Applied Energy, 2016, 163, 134-141.	5.1	99
103	Investigating the Controller Interactions of Distribution Systems with Distributed Generation. IFAC-PapersOnLine, 2015, 48, 19-24.	0.5	0
104	Nonlinear Controller Design for Vehicle-to-Grid Systems with Output LCL Filters. IFAC-PapersOnLine, 2015, 48, 529-534.	0.5	3
105	Design of a Controller for Active Power Sharing in a Highly-Resistive Microgrid. IFAC-PapersOnLine, 2015, 48, 288-293.	0.5	9
106	Effect of Improved Tracking for Atomic Force Microscope on Piezo Nonlinear Behavior. Asian Journal of Control, 2015, 17, 747-761.	1.9	24
107	Fast Prediction for Sparse Time Series: Demand Forecast of EV Charging Stations for Cell Phone Applications. IEEE Transactions on Industrial Informatics, 2015, 11, 242-250.	7.2	81
108	Damping Controller Design for Nanopositioners: A Mixed Passivity, Negative-Imaginary, and Small-Gain Approach. IEEE/ASME Transactions on Mechatronics, 2015, 20, 416-426.	3.7	57

#	ARTICLE	IF	CITATIONS
109	Multivariable Negative-Imaginary Controller Design for Damping and Cross Coupling Reduction of Nanopositioners: A Reference Model Matching Approach. IEEE/ASME Transactions on Mechatronics, 2015, 20, 3123-3134.	3.7	30
110	Transient stability of power system integrated with doubly fed induction generator wind farms. IET Renewable Power Generation, 2015, 9, 184-194.	1.7	43
111	A MIMO Double Resonant Controller Design for Nanopositioners. IEEE Nanotechnology Magazine, 2015, 14, 224-237.	1.1	25
112	Power sharing in microgrids with minimum communication control. , 2015, , .		2
113	Intelligent Tracking Control System for Fast Image Scanning of Atomic Force Microscopes. Studies in Computational Intelligence, 2015, , 351-391.	0.7	4
114	Robust Control for Power Sharing in Microgrids With Low-Inertia Wind and PV Generators. IEEE Transactions on Sustainable Energy, 2015, 6, 1067-1077.	5.9	122
115	Impact of VSC faults on dynamic performance and low voltage ride through of DFIG. International Journal of Electrical Power and Energy Systems, 2015, 65, 334-347.	3.3	17
116	Advanced Vibration Control of Atomic Force Microscope Scanner. Advances in Computational Intelligence and Robotics Book Series, 2015, , 84-106.	0.4	0
117	Interactions of PV Units in Distribution Networks. Power Systems, 2014, , 249-272.	0.3	0
118	Fast demand forecast of Electric Vehicle Charging Stations for cell phone application. , 2014, , .		14
119	Vehicle-to-grid automatic load sharing with driver preference in micro-grids. , 2014, , .		17
120	Resonant Controller Design for a Piezoelectric Tube Scanner: A Mixed Negative-Imaginary and Small-Gain Approach. IEEE Transactions on Control Systems Technology, 2014, 22, 1899-1906.	3.2	59
121	Cyber vulnerabilities on agent-based smart grid protection system. , 2014, , .		7
122	Robust nonlinear state feedback controller design for synchronous machines. , 2014, , .		1
123	Incomplete data in smart grid: Treatment of missing values in electric vehicle charging data. , 2014, , .		7
124	A novel forecasting algorithm for electric vehicle charging stations. , 2014, , .		18
125	Quantitative assessment and comparison of fault responses for synchronous generator and wind turbine generators based on modified transient energy function. IET Renewable Power Generation, 2014, 8, 474-483.	1.7	22
126	Modified pattern sequence-based forecasting for electric vehicle charging stations. , 2014, , .		26

#	ARTICLE	IF	CITATIONS
127	Control for microgrids with inverter connected renewable energy resources. , 2014, , .		19
128	The design of model predictive control for an AFM and its impact on piezo nonlinearities. European Journal of Control, 2014, 20, 188-198.	1.6	15
129	Design of Non-Interacting Controllers for PV Systems in Distribution Networks. IEEE Transactions on Power Systems, 2014, 29, 2763-2774.	4.6	16
130	Practical stability assessment of distributed synchronous generators under variations in the system equilibrium conditions. International Journal of Electrical Power and Energy Systems, 2014, 55, 275-284.	3.3	3
131	Passive damping controller design for nanopositioners. , 2014, , .		6
132	Minimax LQG controller design for nanopositioners. , 2014, , .		6
133	Mitigation of Multimodal Subsynchronous Resonance Via Controlled Injection of Supersynchronous and Subsynchronous Currents. IEEE Transactions on Power Systems, 2014, 29, 1335-1344.	4.6	38
134	Taxonomy of Attacks for Agent-Based Smart Grids. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 1886-1895.	4.0	24
135	Approach for improved positioning of an atomic force microscope piezoelectric tube scanner. Micro and Nano Letters, 2014, 9, 407-411.	0.6	11
136	Control and Communication Techniques for the Smart Grid: An Energy Efficiency Perspective. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 987-998.	0.4	5
137	Control for Fault Ride-Through Capability Augmentation. Power Systems, 2014, , 153-218.	0.3	0
138	Dynamic Voltage Instability Analysis with Wind Generators and FACTS Devices. Power Systems, 2014, , 83-101.	0.3	0
139	Control for Dynamic Transfer Capability Enhancement. Power Systems, 2014, , 125-151.	0.3	0
140	LVRT Capability of DFIGs in Interconnected Power Systems. Power Systems, 2014, , 219-247.	0.3	0
141	Control for Voltage Stability with Dynamic Loads. Power Systems, 2014, , 103-123.	0.3	0
142	Estimation of Regions of Attraction for Time-Varying Uncertain Nonlinear Systems Modeled by a Particular Class of Linear Differential Inclusion. Journal of Control, Automation and Electrical Systems, 2013, 24, 409-419.	1.2	4
143	A MIMO controller design for damping, tracking, and cross coupling reduction of nanopositioners. , 2013, , .		0
144	Stability analysis for interconnected systems with mixed negative-imaginary and passivity. , 2013, , .		6

#	ARTICLE	IF	CITATIONS
145	Practical stability assesement of distributed synchronous generators under load variations. , 2013, , .		0
146	Control Strategies for Augmenting LVRT Capability of DFIGs in Interconnected Power Systems. IEEE Transactions on Industrial Electronics, 2013, 60, 2510-2522.	5.2	71
147	Reactive power management of distribution networks with wind generation for improving voltage stability. Renewable Energy, 2013, 58, 85-94.	4.3	62
148	Practical stability of switched systems without a common equilibria and governed by a time-dependent switching signal. European Journal of Control, 2013, 19, 206-213.	1.6	30
149	Robust H_{∞} Control in Fast Atomic Force Microscopy. Asian Journal of Control, 2013, 15, 872-887.	1.9	32
150	A New Method to Design Robust Power Oscillation Dampers for Distributed Synchronous Generation Systems. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2013, 135, .	0.9	6
151	Enhancement of Transient Stability Limit and Voltage Regulation with Dynamic Loads Using Robust Excitation Control. International Journal of Emerging Electric Power Systems, 2013, 14, 561-570.	0.6	9
152	Droop control for islanded microgrids. , 2013, , .		17
153	Double resonant controller for fast atomic force microscopy. , 2013, , .		5
154	Stability analysis for interconnected systems with mixed passivity, negative-imaginary and small-gain properties. , 2013, , .		13
155	A double velocity feedback controller design for high speed atomic force microscopy. , 2013, , .		1
156	A new robust damping and tracking controller for high speed nanopositioning. , 2013, , .		0
157	Resonant control of atomic force microscope scanner: A mixed negative-imaginary and small-gain approach. , 2013, , .		13
158	High bandwidth multi-variable combined resonant and integral resonant controller for fast image scanning of atomic force microscope. , 2013, , .		6
159	Multi-variable double resonant controller for fast image scanning of atomic force microscope. , 2013, , .		4
160	A Flight Control Scheme to Improve Position Tracking Performance of Rotary-wing UASs. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 1-8.	0.4	0
161	Helicopter flight control using inverse optimal control and backstepping. , 2012, , .		8
162	Resonant controller for fast atomic force microscopy. , 2012, , .		22

#	ARTICLE	IF	CITATIONS
163	Robust control strategy for PV system integration in distribution systems. Applied Energy, 2012, 99, 355-362.	5.1	47
164	A new approach for modeling and control of nonlinear systems via norm-bounded linear differential inclusions. Controle and Automacao, 2012, 23, 387-403.	0.2	5
165	Investigation of the Impacts of Large-Scale Wind Power Penetration on the Angle and Voltage Stability of Power Systems. IEEE Systems Journal, 2012, 6, 76-84.	2.9	127
166	Planar trajectory tracking controller for a small-sized helicopter considering servos and delay constraints. , 2011, , .		4
167	Model predictive attitude control of vario unmanned helicopter. , 2011, , .		4
168	Practical stability of continuous-time switched systems without a common equilibria and governed by a time-dependent switching signal. , 2011, , .		5
169	Flight Control of a Rotary wing UAV including Flapping Dynamics. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 10373-10378.	0.4	2
170	A Nonlinear Position Controller for Maritime Operations of Rotary-wing UAVs. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 1510-1515.	0.4	2
171	Flight validation of a feedforward gust-attenuation controller for an autonomous helicopter. Robotics and Autonomous Systems, 2011, 59, 1070-1079.	3.0	9
172	Monotonous Trend Estimation of Deck Displacement for Automatic Landing of Rotorcraft UAVs. Journal of Intelligent and Robotic Systems: Theory and Applications, 2011, 61, 267-285.	2.0	3
173	Dynamic Compensation for Control of a Rotary wing UAV Using Positive Position Feedback. Journal of Intelligent and Robotic Systems: Theory and Applications, 2011, 61, 43-56.	2.0	28
174	Simultaneous STATCOM and Pitch Angle Control for Improved LVRT Capability of Fixed-Speed Wind Turbines. IEEE Transactions on Sustainable Energy, 2010, 1, 142-151.	5.9	103
175	Flight control of a rotary wing UAV using backstepping. International Journal of Robust and Nonlinear Control, 2010, 20, 639-658.	2.1	87
176	An Autonomous Recovery System for a Rotorcraft UAV Operating in rough Seas. , 2010, , .		1
177	Visual Tracking and LIDAR Relative Positioning for Automated Launch and Recovery of an Unmanned Rotorcraft from Ships at Sea. Naval Engineers Journal, 2009, 121, 99-110.	0.1	22
178	Flight control of a Rotary wing UAV using adaptive backstepping. , 2009, , .		18
179	Design of a gust-attenuation controller for landing operations of Unmanned Autonomous Helicopters. , 2009, , .		20
180	Prediction of vertical motions for landing operations of UAVs. , 2008, , .		13

#	ARTICLE	IF	CITATIONS
181	The optimal placement of actuator and sensor for active noise control of soundâ€™structure interaction systems. Smart Materials and Structures, 2008, 17, 037001.	1.8	7
182	Backstepping-based landing control of a RUAV using tether incorporating flapping correction dynamics. , 2008, , .		24
183	Flight control of a rotary wing UAV - a practical approach. , 2008, , .		12
184	Robust power system stabiliser design using minimax control approach: Validation using Real-time Digital Simulation. , 2007, , .		9
185	Rotary wing UAV position control using backstepping. , 2007, , .		4
186	Simulation of a tractor-implement model under the influence of lateral disturbances. , 2007, , .		16
187	Optimal Actuator-Sensor Placement for Acoustic Cavity. , 2006, , .		2
188	Platform Enhancements and System Identification for Control of an Unmanned Helicopter. , 2006, , .		15
189	Velocity Control of a UAV using Backstepping Control. , 2006, , .		26
190	A Flatness Based Approach to Trajectory Modification of Residual Motion of Cable Transporter Systems. JVC/Journal of Vibration and Control, 2004, 10, 1441-1457.	1.5	12
191	Robust Control of a 2D Acoustic Enclosure*. Journal of Vibration and Acoustics, Transactions of the ASME, 2003, 125, 374-383.	1.0	11